



# भारत का राजपत्र The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2 PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 20th December 1975

APPLICATION FOR PATENTS FILED AT THE  
HEAD OFFICE

The dates shown in crescent brackets are the dates claimed  
under Section 135 of the Act.

13th November, 1975

2168/Cal/75. Council of Scientific and Industrial Research. Improvements in or relating to the preparation of a sensitive zinc oxide electrostatic photographic paper.

2169/Cal/75. Council of Scientific and Industrial Research. Improvements in or relating to the preparation of activated carbon from saw dust.

2170/Cal/75. Council of Scientific and Industrial Research. An improved and simplified process for the manufacture of a pancreatic product which could be used for bating hides and skins in leather manufacture and for the recovery of gelatin, silver and cellulose triacetate base from photographic and X-ray films.

377GI/75

2171/Cal/75. Minnesota Mining and Manufacturing Company. 4-methylthio-2-trifluoromethylmethanesulfonanilide and derivatives thereof.

2172/Cal/75. A. Perl. Link chain.

2173/Cal/75. United Technologies Corporation. Method for catalyzing a fuel cell electrode and an electrode so produced.

2174/Cal/75. United Technologies Corporation. Nitrogen dioxide regenerative fuel cell.

2175/Cal/75. United Technologies Corporation. Preparation of tungsten carbide.

14th November, 1975

2176/Cal/75. Smt. Saroj Aditya. Improvements in design of over-head projectors.

2177/Cal/75. Egyt Gyogyszervegyeszeti Gyar. New quinoxaline-1, 4-dioxide derivatives and process for preparing same.

2178/Cal/75. Emhart Corporation. Apparatus for cushioning the motion of a reciprocating member.

2179/Cal/75. K. C. Kothari. A rechargeable cell.

2180/Cal/75. R. Swarup. Locking device for automobiles.

(873)

15th November, 1975

- 2181/Cal/75. Council of Scientific and Industrial Research. A traversing mechanism for imparting uniform linear motion to crystals and photographic plates or films in X-ray topography camera and similar equipment.
- 2182/Cal/75. Council of Scientific and Industrial Research. N-substituted 1-benzazepines.
- 2183/Cal/75. Council of Scientific and Industrial Research. A process for protection of aluminium and light alloys against corrosion and damage due to scratches.
- 2184/Cal/75. Council of Scientific and Industrial Research. A device for dust removal from air by using thin film electrets.
- 2185/Cal/75. Indian Jute Industries' Research Association. Automatic weft stop with take-up disengagement mechanism.
- 2186/Cal/75. Egyesult Izzolampa ES Villamossagi RT. Phase adjustment apparatus.
- 2187/Cal/75. Egyesult Izzolampa ES Villamossagi RT. Apparatus for cutting lateral current lead-in wires/side electrodes/in mass production of electric light sources.
- 2188/Cal/75. V. Gaur. Electrical industries.
- 2189/Cal/75. L. T. Ponomarev, N. V. Ponomareva, S. V. Vasiliev, O. V. Maximikhina, N. M. Golopelova and L. I. Belkina. Electroinsulating material.
- 2190/Cal/75. Hellenic Plastics and Rubber Industry. Improvements in or relating to a quick-action coupling for pipes or tubes.
- 2191/Cal/75. K. S. Agarwal and R. P. Agarwal. A device for inducing sleep.

17th November, 1975

- 2192/Cal/75. N. K. Jain. A product.
- 2193/Cal/75. D. N. Singhania. A product.
- 2194/Cal/75. D. N. Singhania. A product.
- 2195/Cal/75. Hoechst Aktiengesellschaft. Liquid preparations of reactive dyestuffs.
- 2196/Cal/75. P. J. Kent and J. E. Phillips. Radial tyres. (November 28, 1974).
- 2197/Cal/75. V. M. Goyal. Improvements in or relating to conveyer bearing.
- 2198/Cal/75. Schweizerische Isola-Werke. Electrical cable suitable for transport vehicles and ships in particular.
- 2199/Cal/75. Montedison S.P.A. Improvements to the preparation of synthetic fibres for paper.

19th November, 1975

- 2200/Cal/75. Societe D'Etudes De Machines Thermiques—S.E.M.T. Improvements in or relating to a device for lubricating the guiding system of an internal combustion engine valve.
- 2201/Cal/75. Bristol-Myers Company. Antibiotic process.
- 2202/Cal/75. L. G. Wirasinha. Prevention of sand bar formation at the wellawatte canal and also sand bars at any outlets into the sea. (November, 19, 1974).
- 2203/Cal/75. Dresser Industries Inc. Improved shaft stiffness control apparatus.

- 2204/Cal/75. Maremont Corporation. Method of molding bodies of friction material.
- 2205/Cal/75. United Kingdom Atomic Energy Authority. Improvements in or relating to stirling cycle heat engines. (November 19, 1974).
- 2206/Cal/75. Unilever Limited. Soap bars. (November 19, 1974).
- 2207/Cal/75. Personal Products Company. Powdered grafted cellulose.
- 2208/Cal/75. Personal Products Company. Absorbent blend of grafted polysaccharide and cellulose.
- 2209/Cal/75. Mrs. Kanta Devi Daga. An alarm device for doors, shutters and the like.
- 2210/Cal/75. Mrs. Kanta Devi Daga. An alarm device for safety of suitcase and the like.
- 2211/Cal/75. V. P. Dmitriev, (2) A. A. Luzhin, (3) A. M. Polyakov, (4) A. G. Tomilin and S. M. Shushpan. Fuel feed control in a gasturbine engine.
- 2212/Cal/75. R. P. Sammi. An engine which works without large consumption of fuel. "SAMMI".
- 2213/Cal/75. Council of Scientific and Industrial Research. Improvements in or relating to the manufacture of grids for transmitting tubes having thoriated tungsten cathodes.

APPLICATION FOR PATENTS FILED AT THE  
BOMBAY BRANCH.

6th November, 1975

- 312/Bom/75. V. K. Trivedi. An apparatus to drive a scooter, motor-cycle, auto-rickshaw, automobile or a truck by stored electric power.

10th November, 1975

- 313/Bom/75. S. M. Chawla. Television announcement technique.
- 314/Bom/75. Hindustan Lever Limited. A process for hydrogenating polyunsaturated fatty acids. [Divisional date January 23, 1973].
- 315/Bom/75. Larsen & Toubro Limited. A goose-neck attachment for increasing the vertical reach and the horizontal traverse of horizontal boring machines.

12th November, 1975

- 316/Bom/75. G. P. Rane. Improved pliers-cum-neon tester.

13th November, 1975

- 317/Bom/75. Bombay Latex & Dispersions Private Limited. An improved nipple for a feeding bottle or the like.

- 318/Bom/75. M. R. Ruia. A process of manufacturing electrical insulating material.

14th November, 1975

- 319/Bom/75. N. R. Joshi. A solid state sampling switch without feedthrough error.

APPLICATION FOR PATENTS FILED AT THE  
MADRAS BRANCH.

31st October, 1975

- 161/Mas/75. E. G. Krishnamurti. Improved type of expeller for extraction of oil.

1st November, 1975

162/Mas/75. J. C. Kattakayam. A process for utilisation of cashew nut shell liquid sludge for manufacture of resins, paints etc.

163/Mas/75. L. N. Sridharan, (2) Dr. S. Sathyanarayana, (3) Tamil Nadu Alkaline Batteries Limited. Positive and negative electrodes of nickel cadmium batteries.

164/Mas/75. Dr. K. Sukumaran. Improved self filling device for fountain pens.

4th November, 1975

165/Mas/75. V. Modanagopal. Complect modification on cycle.

6th November, 1975

165/Mas/75. V. Modanagopal. Complect modification on

10th November, 1975

167/Mas/75. Dr. K. Sukumaran. Non-intermittant film motion flickerless movie projector.

168/Mas/75. K. C. Suryanarayanan. Baby's folding cradle.

11th November, 1975

169/Mas/75. H. R. Nagaraja Rao. A machine for distribution of playing cards to the players and subsequent playing of the game of rummy.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F. I.C. C07d 57/04.

130897.

PROCESS FOR THE PREPARATION OF 1-[2'-ALKYL-4'-AMINO-PYRIMIDYL-5'] PYRIDINIUM DERIVATIVES.

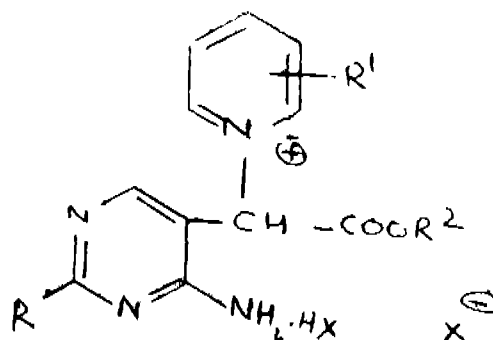
CHINOIN GYOGYSZER-ES VEGYESZETI TERMEK GYARA RT., OF 1-5 TO UTCA, BUDAPEST IV, HUNGARY.

Application No. 130897 filed April 8, 1971.

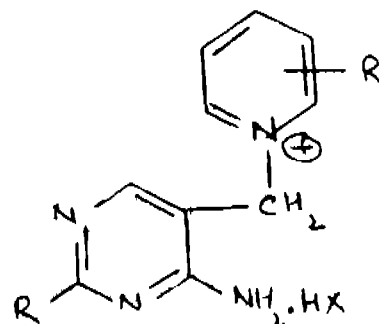
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

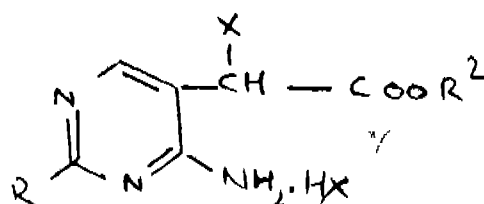
Process for the preparation of compounds of the general formula IV.



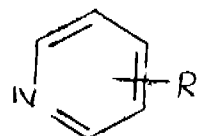
or their corresponding decarboxylated derivative of formula I.



wherein R and R<sup>1</sup> stand for hydrogen, alkyl or alkoxy; R<sup>2</sup> stands for hydrogen, or alkyl; X stands for halogen which comprises reacting a pyrimidine-acetic acid derivative of the general formula II.



wherein R, R<sup>2</sup> and X are as defined before with a pyridine derivative of the general formula III.



wherein R<sup>1</sup> is as defined before to obtain compound of formula IV whereafter if desired decarboxylating by conventional methods the compounds of the formula IV thus obtained, optionally after converting R<sup>2</sup> if it is alkyl to a hydrogen in a known manner to obtain a compound of formula I wherein R, R<sup>1</sup> and X are as defined before.

CLASS 32C+E+F<sub>a</sub>+F<sub>c</sub>+G I.C. C 12d; 13/06. 130927.

IMPROVEMENTS IN MICROBIAL AEROBIC FERMENTATION PROCESS.

PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Application No. 130927 filed April 12, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 8 Claims.

In a microbiological aerobic fermentation process for the production of protein aminoacids and/or gums wherein a water-soluble oxygenated hydrocarbon feedstock stream, a source of assimilable nitrogen and an aqueous stream containing mineral salts essential to the growth of the given microorganism are fed to a fermentation zone wherein the fermentation medium so formed is inoculated with a microorganism capable of growing therein, and the water-soluble oxygenated hydrocarbon feedstock is converted to fermentation products, the improvement comprising sterilizing the mineral media by using an aliphatic alcohol prior to its contact with the microorganism.

CLASS 55E. I.C. A 61k 23/00. C12k 5/00. 131052.

### PROCESS FOR PREPARING LIVE VIRUS VACCINES.

RESEARCH FOUNDATION FOR MICROBIAL DISEASES OF OSAKA UNIVERSITY, C/O. OSAKA UNIVERSITY, OAZA YAMADA KAMI, SUITA-CITY, OSAKA PREFECTURE, JAPAN.

Application No. 131052 filed April 20, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 15 Claims. No drawings.

A process for the preparation of a live virus vaccine effective against diseases such as herein described, which comprises employing a quail embryonated egg or a tissue culture of a quail embryo fibroblast for cultivation of the virus, subjecting a virus such as herein described to successive cultivation of a sufficient number of passages to propagate the virus, wherein at least one passages of said successive cultivation is effected in a culture host selected from the group of a - quail embryonated egg or a quail embryo fibroblast, and thereafter isolating the purifying the vaccine formed by standard techniques.

CLASS 32F<sub>1</sub>+F<sub>2</sub>b. I.C. C07d 31/30. 131432.

### PROCESS FOR THE PREPARATION OF 2, 2-DIARYL-4-(4'-ARYL-4'-HYDROXY-PIPERIDINO) BUTYRAMIDES.

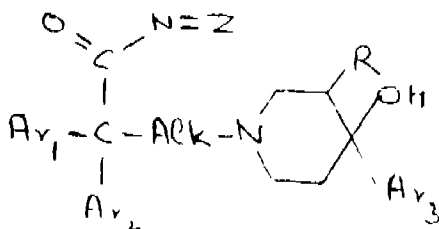
JANSSEN PHARMACEUTICA N.V. OF TURNHOUTSEBAAN 30, BEERSE, BELGIUM.

Application 131432 filed May 20, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 15 Claims.

A process for preparing a 2, 2-diaryl-4-piperidinobutyramide represented by the formula 1.



and the therapeutically active acid addition salts thereof wherein:

R is a member selected from the group consisting of hydrogen and methyl;

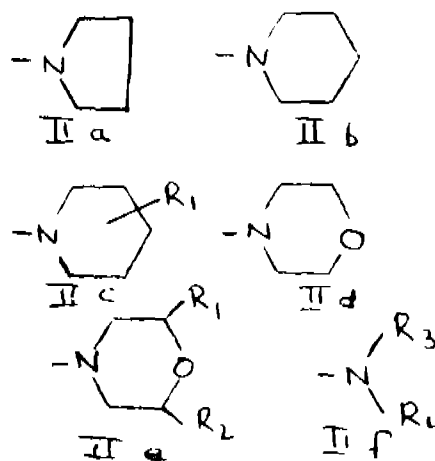
Ar<sub>1</sub> is a member selected from the group consisting of phenyl and halo-phenyl;

Ar<sub>2</sub> is a member selected from the group consisting of phenyl and halo-phenyl;

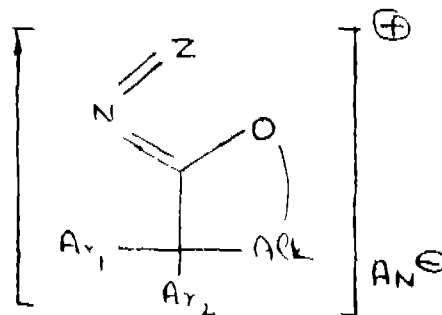
-Alk- is a member selected from the group consisting of

-CH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>CH(CH<sub>3</sub>)-; or -CH(CH<sub>3</sub>)CH<sub>2</sub>-

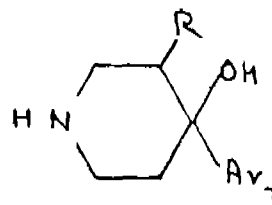
-N=Z is a member selected from the group of formulae II-a, II-b, II-c, II-d, II-e, II-f and -N(CH<sub>2</sub>CH=CH<sub>2</sub>)<sub>n</sub>,



in which R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub> represent lower alkyl, and R<sub>4</sub> is a member selected from the group consisting of lower alkyl and benzyl; and Ar<sub>3</sub> is a member selected from the group consisting of phenyl and substituted phenyl, the latter being phenyl substituted with at least one member selected from the group consisting of lower alkyl lower alkoxy, halo and trifluoromethyl; characterized by reacting a compound of the formula II-g.



wherein AN<sup>-</sup> is a suitable anion, with a compound of the formula III



in an organic solvent in the presence of a base, in order to prepare a compound of the formula 1; and, if desired, preparing a therapeutically active acid addition salt of said compound 1 by conventional method.

CLASS 32F<sub>2c</sub> & 55E<sub>4</sub>. I.C. C07c, 123/00. 131653.

## PROCESS FOR PRODUCTION OF NEW AMINO-PHENYLAMIDINES.

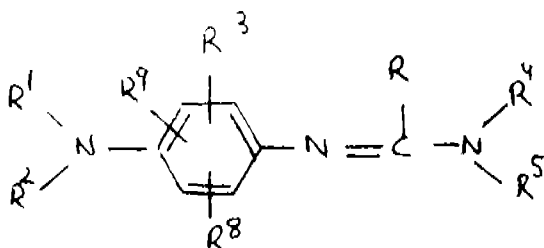
BAYER AKTIENGESELLSCHAFT, FORMERLY KNOWN AS FARBENFABRIKEN BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 131653 filed 9, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

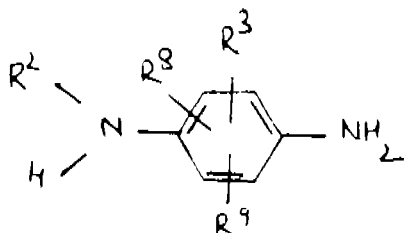
A process for the production of the aminophenylamidines of the general formula 1.



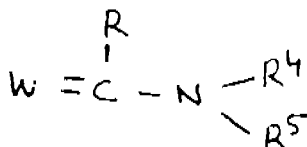
wherein: R = alkyl, R<sub>1</sub> = hydrogen, R<sub>6</sub> = a COR<sup>a</sup> group or a SO<sub>2</sub>R<sup>7</sup> group in which R<sup>a</sup> stands for hydrogen or an alkyl radical which may be substituted by alkoxy, phenoxy, trifluoromethyl, halogen, and alkoxy phenoxy, trifluoromethyl, halogen, an alkoxy radical which may be substituted by the -C=CH or the alkoxy group; R<sup>a</sup> may further stand for phenoxy cycloalkyl, alkenyl, cycloalkenyl optionally substituted phenyl or optionally substituted furyl or isozazolyl;

R<sup>7</sup> stands for alkyl, R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> may be the same or different and stand for hydrogen, halogen, alkyl, alkenyl or alkoxy,

R<sub>4</sub> = hydrogen or alkyl R<sub>5</sub> = alkyl or alkoxy or R<sub>4</sub> and R<sub>5</sub> may form together an alkylene group, and salts thereof, in which an aniline derivative of the general formula 3.



is reacted with a carboxylic acid amide or thioamide of the general formula 4.



[in which general formula W is oxygen or sulphur and R to R<sup>9</sup>, R<sup>1</sup> and R<sup>2</sup> have the meanings given above] or with a salt or reactive derivative thereof.

CLASS 32F<sub>2b</sub> & 55E<sub>4</sub>. I.C. C07c 123/00, C07d 27/00. 29/00, 41/00.

131654.

## PROCESS FOR THE PRODUCTION OF NEW AMINO-PHENYL-CYCLOAMIDINES.

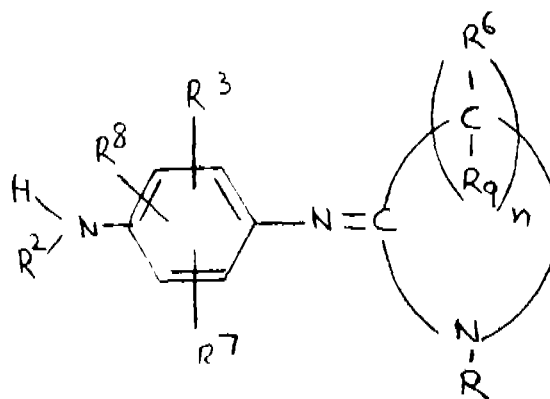
BAYER AKTIENGESELLSCHAFT, FORMERLY KNOWN AS FARBENFABRIKEN BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 131654 filed June 9, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A process for the production of the aminophenyl-cycloamidines of the general formula (1).



in which

R is a hydrogen atom or a straight or branched chain alkyl, alkenyl or alkynyl group, which can be substituted by a halogen atom or an alkoxy or hydroxy group; R<sup>2</sup> is a -COR<sup>a</sup> or -SO<sub>2</sub>R<sup>7</sup> group

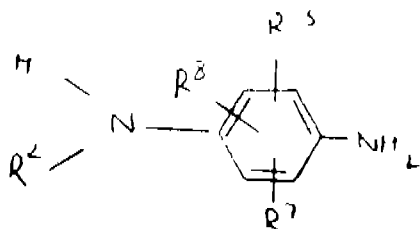
[in which

R<sup>1</sup> is a hydrogen atom; a straight or branched chain alkyl, alkenyl, alkynyl alkoxy, alkenyloxy, alkynyloxy, alkoxyalkyloxy or alkoxy group which can be substituted by a chlorine atom or by a hydroxy, cyano or oxo group; a cycloalkyl group or a cycloalkenyl group containing one or two double bonds, which groups can be substituted by one or more alkyl groups; a cycloalkylalkyl, tetrahydrofurfuryl, tetrahydrofuryl or tetrahydropyranyl group which can be substituted by one or more alkyl groups; a trifluoromethyl group; a carbalkoxyalkyl group; a cycloalkyl-alkoxy, cycloalkoxy, or tetrahydrofurylalkoxy group; a phenalkoxy, phenoxyalkoxy, phenoxy, phenylalkyl, phenyl or naphthyl group, the aromatic ring of which can be substituted by one or more alkyl, alkenyl, alkoxy, nitro, trifluoromethyl, cyano, alkylsulphonyl, acylamino and/or alkylsulphonylamino groups and/or halogen atoms; or a heteroaromatic O-or N-containing ring system;

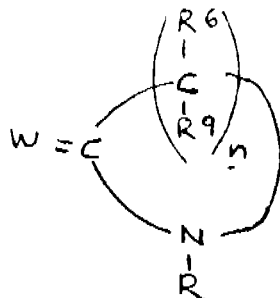
R<sup>6</sup> is a straight or branched chain alkyl or alkenyl group; a cycloalkyl group; a phenylalkyl, phenyl or naphthyl group, the aromatic ring of which can be substituted by one or more alkyl, alkenyl, alkoxy, nitro trifluoromethyl, cyano, acylamino, alkylsulphonyl and/or alkylsulphonylamino groups and/or chlorine, bromine or fluorine atoms;]

R<sup>8</sup>, R<sup>7</sup> and R<sup>9</sup>, which can be the same or different, are each a hydrogen or halogen atom or a straight or branched chain alkyl, alkenyl or alkoxy group or a cyano or trifluoromethyl group, R<sup>6</sup> and R<sup>9</sup> which can be the same or different, are each a hydrogen atom or an alkyl group; and n is 3, 4 or 5;

and their salts which process comprises reacting an aniline derivative of the general formula 3.



which a lactam or thiolactam of the general formula 4.



[in which general formula W is oxygen or sulphur and R to R<sup>6</sup>, R<sup>8</sup> to R<sup>9</sup> and n are as defined above] or with a salt or a reactive derivative thereof, and converting the compounds if obtained in a free base form, to their salts by method known *per se*.

CLASS 32F<sub>3</sub>b & 55E<sub>4</sub>. I.C.-C07C 123/00.

131655.

PROCESS FOR THE PRODUCTION OF NEW AMINOPHENYLAMIDINES AND-CYCLOAMIDINES.

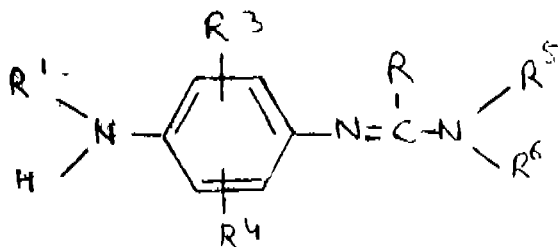
BAYER AKTIENGESSELLSCHAFT, FORMERLY KNOWN AS FARBENFABRIKEN BAYER AKTIENGESSELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 131655 filed June 9, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for the production of the aminophenyl amidines and-cycloamidines of the general formula (I).



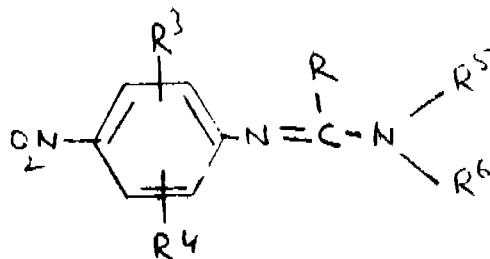
wherein R<sup>1</sup> is a hydrogen atom; R<sup>2</sup> and R<sup>3</sup> are the same or different and are each a hydrogen, fluorine, chlorine or bromine atom or a straight- or branched-chain alkyl, alkenyl, or alkoxy group or a cyano or trifluoromethyl group; R<sup>4</sup> is a straight- or branched-chain alkyl or alkenyl group or a cycloalkyl group; and

either

R is a straight- or branched-chain alkyl, alkenyl or alkoxy group; and R<sup>5</sup> is a hydrogen atom or a straight- or branched-chain alkyl, alkenyl, alkylnyl or alkoxy group;

or

R and R<sup>5</sup> together with the amino nitrogen atom and the amidino carbon atom form a five, six or seven-membered ring, and salts thereof, comprising reducing by method known *per se* a nitrophenyl amidine or -cycloamidine of the general formula 2.



(wherein R, R<sup>2</sup> to R<sup>6</sup> are as defined above), or a salt thereof to obtain an aminophenylamidine or -cycloamidine of general formula (1) in which R<sup>1</sup> is hydrogen and, if desired, converting by method known *per se* the compounds so produced to their salts.

CLASS 32F<sub>1</sub>+F<sub>3</sub>b & 55D<sub>4</sub>+E<sub>3</sub>+E<sub>4</sub>.

131767.

I.C.-C07d 49/36.

PROCESS FOR THE PREPARATION OF 1-[β-ARYL-β-(R-OXY)-ETHYL]-IMIDAZOLES.

JANSSEN PHARMACEUTICA N.V., AT TURNHOUTSEBEAAN, 30, BEERSE, BELGIUM.

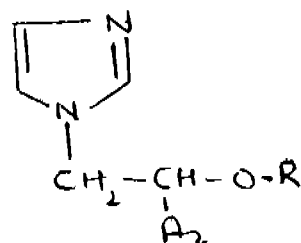
Application No. 131767 filed June 17, 1971.

Addition to No. 122584.

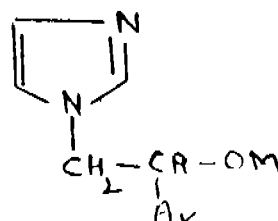
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 Claims.

A process for preparing a compound consisting of 1-[β-Ar-β-(R-oxy)-ethyl]-imidazole having the formula I



or the therapeutically active acid addition salts thereof, wherein Ar is a member selected from the groups consisting of halophenyl, dihalophenyl, lower alkyl phenyl, lower alkoxyphenyl or 5-halo-2-thienyl; and R is a member selected from the group consisting of lower alkyl; lower alkenyl, phenyl lower alkenyl, halophenyl lower-alkenyl or lower alkylnyl, characterized by reacting a compound of the formula IIA.



wherein M is an alkali metal with a compound of the formula III.



wherein Y is halo R is as defined before in an organic solvent, and, if desired, preparing in a conventional manner a therapeutically active addition salt of the product thereof.

CLASS 32F<sub>a</sub>+F<sub>b</sub> & 55E<sub>1</sub>. I.C.-C07C 87/28. 132370.

#### PROCESS FOR THE PRODUCTION OF AMINES.

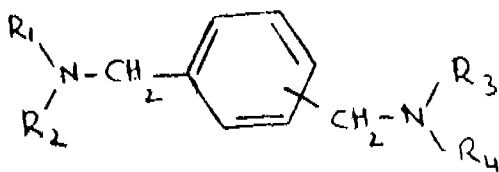
PFIZER INC., OF 235, EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 132370 filed August 4, 1971.

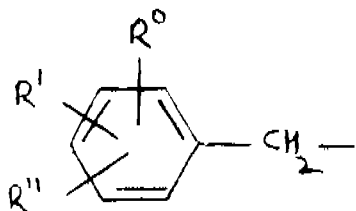
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

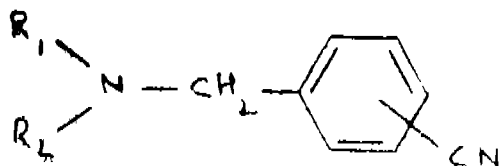
A process for preparing a compound of the formula I.



and the non-toxic acid addition salts thereof wherein R<sub>1</sub> is alkyl of from 1 to 20 carbon atoms, aralkyl, aryloxyalkyl, hydroxyalkyl of from 2 to 8 carbon atoms, a group of the formula II.



R<sub>2</sub> is alkyl of from 6 to 20 carbon atoms, aralkyl, aryloxyalkyl, hydroxyalkyl of from 2 to 8 carbon atoms or a group of the formula II, R' is alkoxy of from 1 to 18 carbon atoms; each of R' and R'' is hydrogen, alkyl or alkoxy of from 1 to 18 carbon atoms; R' and R'' when taken together are methylenedioxy; R<sub>3</sub> is hydrogen, alkyl of from 1 to 20 carbon atoms, hydroxyalkyl of from 2 to 8 carbon atoms, phenylcarbamoyloxy (alkyl 1-4 carbons),  $\omega$ -carboxyal-kanoyloxy (alkyl 1-4 carbons), allyl, alkanoloxo (1-4 carbon alkyl), carbo (1-4 carbon alkoxy)-lower alkyl, carboxy (1-4 carbon alkyl); alkoxy (1-4 carbon or gem-di (1-4 carbon alkoxy) 1-4 carbon alkyl; R<sub>4</sub> is hydrogen, alkyl of from 1 to 20 carbon atoms, hydroxyalkyl of from 2 to 8 carbon atoms, carbo (1-4 carbon alkoxy)-1-4 carbon alkyl, alkanoyloxy (1-4 carbon alkyl); carboxy (1-4 carbon alkyl), alkoxy (1-4 carbon alkyl), phenylcarbamoyloxy (1-4 carbon alkyl),  $\omega$ -carboxy-alkanoyloxy (1-4 carbon alkyl), dihydroxyalkyl of from 3 to 8 carbon atoms or morpholinoethyl; characterized by reducing by a method known *per se* such as herein before described, a cyano compound of the formula IV,



wherein R<sub>1</sub> and R<sub>2</sub> are as defined above and, to prepare alkylated derivatives having groups R<sub>3</sub> and R<sub>4</sub> defined above, subsequently alkylating the resulting amine by a conventional method known *per se* and forming by a method known *per se* such as hereinbefore defined a pharmaceutically acceptable acid addition salt thereof.

CLASS 55E<sub>1</sub>. I.C. A23b 1/30, A61k 27/00. 132742.

#### A PROCESS FOR PREPARING A FOOD SUPPLEMENT.

V. BERTHELSEN INDUSTRIAL COMMERCIAL CO. A/S. OF LOUNDELY 14,2900 HELLERYP, DENMARK.

Application No. 132742 filed Sept., 1, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims. No drawings.

A process for preparing a food supplement wherein substantially neutral, physiologically acceptable, readily dissociable salts of sodium calcium, potassium, and magnesium such as herein described are combined in such amounts that the atomic ratios of Na:Ca:K:Mg are about 7-17:33 68-86:0.5-3 with the proviso that the atomic ratio of sodium to potassium is in the range of 1:5 to 1:12.

CLASS 39G, 39L, 130F & 141D. I.C. C01G 23/02, 23/04. 135134.

#### IMPROVEMENTS IN AND RELATING TO A PROCESS OF BENEFICIATION OF ILMENITE ORES.

LAPORTE INDUSTRIES LIMITED, OF HANOVER, HOUSE, 14 HANOVER SQUARE, LONDON, W.1., ENGLAND.

Application No. 135134 filed April 3, 1972.

Convention date April 5, 1971(8809/71) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

53 Claims. No drawings.

A process for beneficiating an ilmenite ore which comprises the steps of forming a product containing pseudobrookite from ilmenite, reduction of the formed product and leaching characterized in that the product formed from ilmenite contains at least 20% by weight of pseudobrookite, the said product is reduced in a manner such as herein described so that no less than 4% of the iron content of the reduced material (calculated as Fe) is in the ferric state, and thereafter the reduced material so obtained is leached to yield a beneficiated titaniferous material.

CLASS 55E<sub>1</sub>. I.C.-A61K 23/00, C12K 5/00, C12K 9/00.

138121.

#### PROCESS FOR THE PRODUCTION OF ADSORBED CHOLERA VACCINE MIXED LYSATE.

DR. SATISH CHANDRA AGARWAL, PROFESSOR OF MICROBIOLOGY, JAWAHARLAL INSTITUTE OF POST-GRADUATE MEDICAL EDUCATION & RESEARCH, PONDICHERRY, UNION TERRITORY OF INDIA.

Application No. 11/Mas/75 filed February 3, 1975.

Addition to No. 136020.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims. No drawings.

A process for the production of absorbed cholera vaccine mixed lysate comprising culturing (1) vibrio cholerae ogawa strain in L-form agar containing penicillin, (2) vibrio cholerae Inaba strain in L-form agar containing penicillin, lysing the cultures separately, mixing the said lysates of L-forms of V. cholerae Ogawa and Inaba and adding  $Al(OH)_3$  gel to it as an adjuvant.

CLASS 32F<sub>1</sub>. I.C. C07b 9/00. 138122.

PREPARATION OF N, N-DIFLUOROAMINES.

RESEARCH INSTITUTE FOR MEDICINE AND CHEMISTRY INC., OF 49-AMHERST STREET, CAMBRIDGE, MASSACHUSETTS 02142, UNITED STATES OF AMERICA.

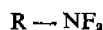
Application No. 1483/Cal/73 filed June 26, 1973.

Convention date June 27, 1972 (30128/72) U.K.

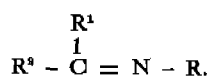
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims.

A process for the preparation of a N, N-difluoroamine of general formula



(where R represents a hydrogen atom or an organic group selected from aliphatic, cycloaliphatic araliphatic and aromatic groups wherein a compound of general formula,



where R is as defined for formula 1,  $R^1$  represents an organic group as defined for R and  $R^2$  represents a hydrogen atom or an organic group as defined for R two or more of  $R$ ,  $R^1$  and  $R^2$  if desired being joined to form a divalent or trivalent organic group) is reacted with a fluorinating agent comprising elemental fluorine or a hypofluorite in which the fluoroxy group is bonded to an inert electron attracting group.

CLASS 11C. I.C.-A23K 1/00. 138123.

METHOD OF PREPARING A CATTLE FEED INGREDIENT FROM SUGARCANE BAGASSE.

DIRECTOR OF THE DEPARTMENT OF INDUSTRIAL RESEARCH OF THE ECONOMIC DEVELOPMENT ADMINISTRATION OF THE COMMONWEALTH OF PUERTO RICO, OF PUERTO RICO, OF COUNTRY AFFILIATED TO THE UNITED STATES OF AMERICA.

Application No. 1538/Cal/73 filed July 2, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims. No drawings.

The method of preparing a cattle feed ingredient to increase its cellulose digestibility, which consists in immersing raw sugarcane bagasse in 2% aqueous solution of sodium hydroxide for approximately 24 hours at atmospheric temperature and pressure, washing the bagasse to remove residual sodium hydroxide, and drying.

CLASS 32-D. I.C.-C07f 3/06, C07F 5/00. 138124.

A PROCESS FOR THE PREPARATION OF COMPLEX COMPOUNDS OF ASPARTIC ACID.

WALTER EVERS OF SIEMENSSTRASSE 4, 2080 PINNEBERG, WEST GERMANY.

Application No. 1773/Cal/73 filed July 31, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for the preparation of complex compounds of aspartic acid which comprises reacting a double salt of a trivalent rare earth and zinc with an ammonium salt of aspartic acid, in the presence of an oxide catalyst, e.g. sodium peroxide, precipitating the obtained complex compound from the reaction medium using soda lye.

CLASS 32F<sub>1</sub>+F<sub>2</sub>b & 55D<sub>a</sub>. I.C.-C07d 17/00, 15/12, 19/00.

138125.

PROCESS FOR THE PREPARATION OF 3, 4-DIHYDRO-2H-PYRANE-2, 4-DIONES.

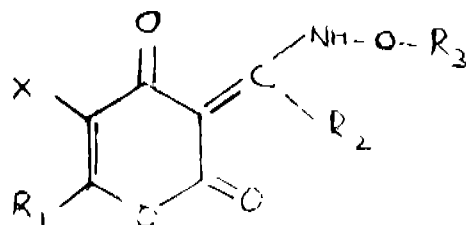
NIPPON SODA COMPANY LIMITED, OF NO. 2-1, OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Application No. 2342/Cal/73 filed October 20, 1973.

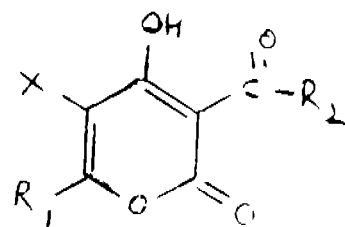
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims.

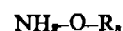
A process for the production of 3, 4-dihydro-2H-pyrane-2, 4-diones of the formula 1.



wherein X is hydrogen or halogen;  $R_1$  is alkyl having six or less carbon atoms or phenyl;  $R_2$  is alkyl having 1 to 20 carbon atoms or haloalkyl having six or less carbon atoms or phenyl or phenyl substituted with halogen or nitro or benzyl or phenoxyethyl or 2-phenylvinyl;  $R_3$  is hydrogen or alkyl having 1 to 10 carbon atoms or alkenyl having six or less carbon atoms or alkynyl having six or less carbon atoms or benzyl; a proviso that  $R_1$  and  $R_2$  do not represent simultaneously methyl group and metal salts thereof wherein a compound having the formula 2.



is reacted with a compound having the formula



wherein X,  $R_1$ ,  $R_2$  and  $R_3$  have the same meanings as given above; and thereafter if desired, producing sodium or potassium salts by reacting obtained compound of formula 1 with sodium or potassium hydroxide in organic solvent at room temperature; and producing metal salts except sodium and potassium by reacting said obtained sodium or potassium salts of formula 1 with inorganic metal salt except sodium and potassium in organic solvent at room temperature.

CLASS 48A. I.C.-H01b 9/00.

138126.

## IMPROVEMENTS IN ELECTRIC CABLES.

BRITISH INSULATED CABLES LIMITED, OF 21, BLOOMSBURY, STREET, LONDON, W.C.1., ENGLAND.

Application No. 1026/Cal/73 filed May 2, 1973.

Convention date May 4, 1972/(20891/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims.

A distribution cable comprising a number of electric power conductors and a neutral conductor enclosed within a body of rubber or plastics insulating material extending throughout the length of the cable and, electrically connected to one or more than one power conductor and to the neutral conductor of the distribution cable at each of a number of spaced locations along the length of the distribution cable, separate metal members which project outwardly from the body of insulating material and are each of such a shape and size that a fuse cut-out box or other installation accessory can be mounted directly or indirectly on or around that part of the distribution cable from which each metal member projects with the terminal or terminals of the fuse cut-out box or other accessory connected to the appropriate member or appropriate members.

CLASS 14C. I.C.-H01m

138127.

## IMPROVEMENTS IN OR RELATING TO THE FORMATION OF PLATES FOR NICKEL CADMIUM BATTERIES.

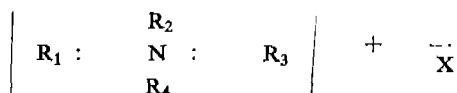
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Application No. 716/72 filed June 30, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

An improved process for producing positive and negative plates of alkaline nickel cadmium batteries comprises adding a quaternary ammonium compound of the general formula.



to an impregnating solution consisting of nickel or cadmium salts as the case may be, and impregnating the solution into porous sintered matrices in vacuum and precipitating and forming the nickel or cadmium hydroxide electrolytically in a solution of sodium hydroxide.

CLASS 170D. I.C.-C11d 9/02, 9/04, C11d 13/00.

138128.

## PROCESS FOR PREPARING SUPERFATTED SOAP BARS.

HINDUSTAN LEVER LIMITED, AT HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, BOMBAY-20.

Application No. 882/72 filed July 17, 1972.

377GI/75—2

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for preparing a superfatted soap bar which comprises :

(a) mixing 35-60% by weight of urea, 20-50% by weight of an alkali metal, ammonium or substituted ammonium soap conventionally used in toilet bars, and 7-15% of a saturated and unsaturated C<sub>10</sub>-C<sub>20</sub> aliphatic monocarboxylic acid or a mixture of such acids,

(b) heating the mixture in the usual water-containing pasty form to a temperature between 95 and 105°C until a moisture content of not more than 5% by weight is obtained, yielding a modified superfatting agent,

(c) mixing the modified superfatting agent with an alkali metal, ammonium or substituted ammonium soap, and

(d) converting the mixture of soap and modified superfatting agent into a soap bar having a moisture content of not more than 20% by weight.

CLASS 32F.c. I.C.-C07C 121/30.

138129.

## IMPROVED PROCESS FOR THE PRODUCTION OF UNSATURATED NITRILES.

SNAM PROGETTI S.P.A., OF CORSO VENEZIA 16, MILAN, ITALY.

Application No. 1175/72 filed August 16, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for producing an unsaturated nitrile, which comprises reacting an olefin, ammonia and oxygen (or a gaseous mixture including oxygen) in the presence of a catalyst in which antimony is one of two or more components present in the catalyst and in the presence of gaseous carbon dioxide, carbon monoxide or a mixture of these two oxides, wherein there is used a total of from 1 to 50 moles of the carbon oxide(s) per mole of olefin.

CLASS 39D+E. I.C.-C01d 7/00.

138130.

## SMELTING PROCESS.

ELKEM-SPIGER VERKET A/S FORMERLY KNOWN AS ELKEM A/S, OF ELKEMHUSET, MIDDLETHUNSGATE 27, OSLO 3, NORWAY.

Application No. 1598/72 filed October 7, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

A smelting process which includes the step of introducing into the zone of the melt calcined alkaline earth metal carbonate material as an additive to the melt or as a slag-forming material characterised in that the calcined alkaline earth metal carbonate material is in the form of a sintered agglomerate produced by burning at a temperature above 900°C dried pellets or briquettes formed by pelletizing or briquetting a mixture comprising a comminuted raw alkaline earth metal carbonate material and a binding agent.

CLASS 103. I.C.-C23f 9/02, 11/04.

138131.

## A METHOD OF PRETREATING METAL SURFACES PARTICULARLY STEEL SURFACES, STEEL SHEET MATERIAL SO TREATED AND DRUMS MANUFACTURED THEREFROM.

KONINKLIJKE EMBALLAGE INDUSTRIE VAN LEER B.V., OF AMSTERDAMSEWEG 206, AMSTELVEEN, THE NETHERLANDS.

Application No. 1694/72 filed October 20, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A method of pretreating metal surfaces particularly steel surfaces, by applying a phosphating agent and an oily material, characterized in applying the phosphating agent and the oily material simultaneously or separately, but excluding systems wherein more than 50 mg/m<sup>2</sup> phosphating agent are deposited in a separate step directly on the metal or in combination with more than 150 mg/m<sup>2</sup> oily material.

CLASS 152E. I.C.-B29b 1/00, B29c 1/00. 138132.

A MOLDING RESIN COMPOSITION AND A PROCESS FOR PREPARING THE SAME.

CELANESE CORPORATION, AT 522 FIFTH AVENUE, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Application No. 1781/72 filed October 31, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

A molding resin composition having improved arc resistance comprising an intimate blend of polybutylene terephthalate having an intrinsic viscosity in the range of from about 0.2 to about 1.5 deciliters per gram, and acicular calcium metasilicate.

CLASS 50E. I.C.-F25b 1/04, 39/00, 43/02, 45/00.

138133.

REFRIGERATION PLANT.

SVENSKA ROTOR MASKINER AKTIEBOLAG, OF NACKA SWEDEN.

Application No. 2220/72 filed December 23, 1972.

Convention date December 28, 1971/(60274/71) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A refrigeration plant of the type comprising a refrigerant flow circuit including a compressor of the screw rotor type, a condenser and an evaporator, means for circulating oil and for injecting said oil into the compression chambers of said compressor, an oil separator provided in said circuit between the outlet of said compressor and the inlet of said condenser, and means for introducing liquid refrigerant into a circuit portion between the inlet of the compressor and the inlet of said oil separator, characterized by means responsive to at least one parameter indicative of the difference between the temperature in the oil separator and the temperature in the condenser, adjustable means for varying the quantity of liquid refrigerant introduced into said circuit portion, and means connecting said responsive means with said adjustable means to control said adjustable means such that the temperature difference is kept small but is prevented from dropping down to zero.

CLASS 98G. I.C.-F28d 7/00.

138134.

A HEAT-EXCHANGER UNIT.

STEIN INDUSTRIE, OF 24, RUE ERLANGER, 75 PARIS 16<sup>e</sup>, FRANCE.

Application No. 266/Cal/73 filed February 6, 1973.

Addition to No. 130644.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A heat-exchanger unit in accordance with the main Indian Patent No. 130644 and comprising a tube bundle surrounded by an inner sleeve, admission and discharge of the second fluid into and from the tube bundle being carried out through openings located at the ends of the inner sleeve, wherein said sleeve delimits with the outer shell of the heat-exchanger unit and a transverse partition-wall two annular spaces consisting of an upper and lower space which communicate respectively with external ducts for the admission and discharge of the second fluid, said ducts being immediately adjacent to said partition-wall in order to admit of minimum differential expansion under both steady-state and transient flow conditions between said outer shell and the tubes of said bundle.

CLASS 116D. I.C.-B65G 65/04.

138135.

ARTICLE TRANSFER APPARATUS.

THE METAL BOX COMPANY LIMITED, OF 37, BAKER STREET, LONDON W1A 1AN, ENGLAND.

Application No. 650/Cal/73 filed March 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

Transfer apparatus for transferring each of a succession of articles or batches of articles from a first location to a second location, including an article-engaging member, a first actuating system for performing a variable first stroke and a second actuating system for performing a variable second stroke independently of the first actuating system, at least one of said actuating systems comprising telescopic actuators arranged in a plurality of parallel lines but in series relationship with each other, and said first and second actuating systems being arranged to cause the article-engaging member to perform a succession of working movements alternating with return movements, such that each working and/or return movement is variable and defined by a said first and/or second strokes or a vectorial resultant of said first and second strokes, so as to be capable of moving the article-engaging member between positions corresponding respectively to any one of a plurality of predetermined said first locations and to any one of a plurality of predetermined said second locations.

CLASS 67C, 187A & 206E. I.C.-H03K 19/08.

138136.

WIDE BAND HIGH-FREQUENCY SWITCH AND COMMUTATOR SWITCH OF EXTREME ATTENUATION PROPERTIES, EQUIPPED WITH SEMI-CONDUCTOR DIODES.

TAVKOZLESI KUTATO INTÉZET, OF 65, GABOR ARON UTCA 1026, BUDAPEST-II, HUNGARY.

Application No. 938/Cal/73 filed April 19, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Wideband, high-frequency switches or commutators with semi-conductor diodes, primarily IF switches and commutators of extreme attenuation properties characterized in that

the switch is built up of low-ohmic, preferably of orders of magnitude of a few ohms, forward semiconductor diodes of differential resistance in the series branch and in series with them windings in the series branch, in which windings the forward capacities of the diodes together with the inductance of the windings in the series branch constitute a series resonant circuit, possessing resonance in the transmission frequency band, further that the shunting branches of the switch are built up of semiconductor diodes in the shunting branch, inductively tuned windings in the shunting branch and condensers in the shunting branch, where the reverse capacities of the diodes in the shunting branch together with the inductance of the windings in the shunting branch constitute a parallel resonant circuit having a resonance in the transmission frequency band further that the capacitance of each condenser in the shunting branch together with the inductance of the winding connected to it constitutes a parallel resonant circuit having resonance in the transmission frequency band.

CLASS 131C. I.C.-G01v 1/18.

138137.

AN ASSEMBLY FOR EXPLORING A MEDIUM USING MECHANICAL WAVES.

SOCIETE NATIONALE DES PETROLES D'AQUITAINE, OF TOUR AQUITAINE, 92-COURBEVOIE, FRANCE.

Application No. 1164/Cal/73 filed May 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An assembly for exploring a medium by using mechanical waves, which comprises a plurality of emitters located at the surface or near the surface of the medium to be explored, each of said emitters when being actuated transmitting into the said medium a long continuous oscillatory signal which has a selected polarity and is not repetitive during the period of its emission, at least one receiving system disposed at the surface of the medium at a location remote from the emitters to detect and record the signals transmitted through the medium and reflected on at least on reflector, and optionally a correlator receiving the signals recorded by the receiving system as well as a reference of the signal emitted by each emitter and elaborating the cross-correlation function of these signals from the position of the maximum of which the travel times of the waves are determined, and is characterized in that it includes a programmer (control device) controlling the actuation of the emitters according to an emission pattern predetermined such that the interval between the times at which two emitters begin to emit consecutively is less than the sum of the duration of emission by the first of said emitter and the time  $\alpha$  corresponding to the longest distance of interest covered by the waves in the medium from the emitters to the receiving system and that the intercorrelation function throughout the time  $\alpha$  of the sequence of times at which the various emitters begin to emit, each combined to the polarities of the emitted signals, with the sequence of times at which an emission of any of these emitter begins, combined to the polarity of the signal it emits, shows a ratio of the amplitude of the maximum peak to the amplitude of each of the secondary peaks, which is greater than the ratio of the amplitudes of the long signals received, after intercorrelation with the references of the long signals emitted by each of the emitters, for intervals of time corresponding to the intervals separating said maximum peak from each of said secondary peaks.

CLASS 116A. I.C.-B66f 19/00.

138138.

IMPROVEMENTS IN OR RELATING TO CABLE TRACTION AND HOISTING APPARATUS.

TRACTEL S.A., OF 85-87 AVENUE JEAN LELIVE, 93170 BAGNOLET, FRANCE.

Application No. 1558/Cal/73 filed July 4, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Cable traction and hoisting apparatus of the type comprising a metal cable following therethrough a rectilinear path between a pair of tandem clamps to which reverse reciprocating movements of translation are imparted so that one clamp is tightened while the other is released, each clamp comprising a pair of superposed jaws interconnected by two pairs of tightening levers, one lever of each pair being pivoted at its lower end to a control rod actuated by the forward motion control lever and at its upper end to the mechanism controlling the reverse motion, characterized in that the two lower control rods as well as the forward motion control lever to which they are connected consist of punched flat metal sheet elements, said forward motion control rod being connected in turn through a link to the front anchoring hook, one of said rods carrying a deflector plate adapted to direct laterally the slack run of the cable as it emerges from the apparatus, thus permitting of housing the mechanism in a light-weight and extremely flat casing.

CLASS 205H. I.C.-B60C 25/00.

138139.

APPARATUS FOR ASSEMBLING PNEUMATIC TYRES.

NAUCHNO-ISSLEDovATELSKY KONSTRUKTORSKO-TEKHNOLOGICHESKY INSTITUT SHINNOI PROMYSHLENNOSTI, OF 5, KORDNAYA, OMSK, U.S.S.R.

Application No. 1826/Cal/73 filed August 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An apparatus for assembling pneumatic tires, comprising a main drum and rigid auxiliary drums arranged at both sides of said main drum, all said drums being arranged coaxially and being capable of increasing their initial diameter, and a device for retaining and securing the first component part of a tire, applied onto said drum, said device including clamps received in cavities uniformly spaced about the entire perimeter of the periphery of each said auxiliary drum each said clamp being arranged so that it does not project beyond the external surface of said drum, the end of said clamp, adapted to retain the material being clamped, facing said main drum.

CLASS 206H. I.C. H03k 71/00.

138140.

SUPERVISION ARRANGEMENT FOR A PULSE CODE-MODULATION SYSTEM.

N. V. PHILIPS GLOFILAMPENFABRIKEN, OF EMMASINGEL, EINDHOVEN, NETHERLANDS.

Application No. 1871/Cal/73 filed August, 13 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

10 Claims.

An arrangement for supervising the coder at the transmitting side and the decoder at the receiving side in a terminal station of a system for the transmission of information by means of pulse code modulation using  $n$  channels,  $m$  channels of which are provided for the transmission of analog information signals and  $(n-m)$  channels are provided for the transmission of signalling and synchronizing information, the terminal comprising a transmitter and a receiver, the transmitter including a multiplex arrangement whose inputs are connected to the information channels to be transmitted and a coder whose input is connected to the output of the multiplex arrangement, and the receiver including a decoder to whose input the received pulsatory signal

is applied and whose output is connected to a demultiplex arrangement from whose outputs the signals associated with the different information channels can be derived, the channels for the analog information signals being cyclically scanned by means of the multiplex arrangement and being quantized in accordance with a piecewise linear coding characteristic by means of the coder characterized in that a test pulse pattern generator is provided whose output is connected to the input of the decoder on the receive side during at least one of the (n-m) channels for the transmission of signalling and synchronizing information and which generates a test pulse pattern corresponding to a PCM channel code word, which pattern is applied to the decoder at the receiving side for conversion in to the corresponding analog value, the output of the decoder at the receiving side and the input of the coder at the transmitting side being connected during said period to a connection line passing the analog value corresponding to the decoded test pulse pattern, said analog value being applied, through said connection line to the coder at the transmitting side in which said analog value is converted into a second pulse pattern by means of coding, the arrangement furthermore comprising a store in which said second pulse pattern is stored, the output of said store as well as the output of the test pulse pattern generator being connected to the inputs of a comparator to which the test pulse pattern and the second pulse pattern are applied and which gives an alarm signal when the two pulse patterns are not equal.

CLASS 158F, I.C. B61f 5/00. 138141.

DOUBLE BOGIE FOR SUPPORTING A WAGGON BODY.

CREUSOT-LOIRE, OF 5, RUE DE MONTESSUY, 75007 PARIS, FRANCE.

Application No. 1978/Cal/73 filed August, 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A double bogie for supporting a waggon body, comprising two simple bogies each having a bolster bearing resiliently on side frames, transverse balance-beam comprising two side members pivoted symmetrically about axes parallel to the longitudinal axis of the bogie and on opposite sides of a central member, the transverse balance-beam being supported on the bolster by two bearings located on the side members, and two lateral longitudinal balance-beams the ends of which are freely suspended from ends of the side members of the transverse balance-beams two central bearings each carried by a respective one of the central members of the transverse balance-beam, two lateral bearings each provided at an intermediate point of a respective one of the longitudinal balance-beams are provided for supporting a waggon body on the double bogie.

CLASS 206E, I.C. H01L 15/08. 138142.

SEMICONDUCTOR LIGHT SOURCE ON THE BASIS OF SILICON CARBIDE SINGLE CRYSTAL

VADIM IVANOVICH PAVICHENKO OF MOSKOVSKAYA OBLAST, ULITSYA POLEVAYA, 20/1, KALININ-GRAD, U.S.S.R.

Application No. 2019/Cal/73 filed September 3, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

3 Claims. No drawings.

A semiconductor light source comprising a basic silicon carbide single crystal having a concentration of uncompensated donor atoms of  $5 \cdot 10^{18} \text{ cm}^{-3}$  and a concentration of atoms of secondary impurities of up to  $2 \cdot 10^{18} \text{ cm}^{-3}$ ; said basic

single crystal offering a low ohmic resistance and comprising the n-type crystal doped with nitrogen and oxygen; an epitaxial n-type silicon carbide film having a concentration of uncompensated donor atoms of  $0.8 \cdot 10^{18} \text{ cm}^{-3}$ , a concentration of atoms of secondary impurities of  $0.4 \cdot 10^{18} \text{ cm}^{-3}$  and a thickness of  $5\text{--}1000 \mu\text{m}$ ; said epitaxial film being disposed on said basic silicon carbide single crystal; a p-n junction arranged on the surface of said epitaxial film; a p-layer offering a low ohmic resistance, doped with aluminium and boron and having a thickness of  $0.1\text{--}2 \mu\text{m}$ ; and a layer of  $0.5\text{--}1.5 \mu\text{m}$  offering a high ohmic resistance, which is alloyed with boron and arranged between said p-layer and said n-layer and in which the electroluminescence takes place.

CLASS 136M & 195F, I.C.-B60C 29/00, B29H 7/00.

138143.

IMPROVEMENTS IN OR RELATING TO METHODS FOR MAKING A RUBBER-COVERED TIRE VALVE.

SCOVILL MANUFACTURING CO., OF 99 MILL STREET, CITY OF WATERBURY, STATE OF CONNECTICUT, UNITED STATES OF AMERICA.

Application No. 2075/Cal/73 filed September 11, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for moulding the rubber body covering of a tire valve in a mould having a cavity adapted to hold a tubular rigid one-piece tire valve body having an open straight cylindrical inner end, the mould comprising an upper half having a central pin having a base which is attached to the upper half, the pin having a tapered portion and a rounded distal end adapted to be received into the body; including the steps of placing such a valve body in the open mould along with a slug of rubber; closing the mould partially so that the round distal end of the pin enters the open end of the body; and closing the mould fully so that the tapered portion of the central pin engages and flares outwardly the open end of the body, the rubber from the slug flowing about the body, the pin by its engagement with the body plugging the open end of the body against entry of flowing rubber; whereby the final product includes a body having a flared end securely bonded to the rubber cover.

CLASS 85E, I.C.-C04b 35/14.

138144.

A REFRACTORY COATING COMPOSITION AND A METHOD OF PROTECTING A METALLIC SURFACE USING THE SAME.

FOSECO INTERNATIONAL LIMITED, OF LONG ACRE, NECHILLS, BIRMINGHAM, B7 5JR, ENGLAND.

Application No. 2241/Cal/73 filed October 9, 1973.

Convention date October 10, 1972/(46704/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A refractory coating composition consisting of an aqueous suspension of particulate refractory material such as herein described and binder, the binder being a mixture of magnesium oxide and phosphoric acid.

CLASS 63A+C, I.C.-H02K 13/00.

138145.

A METHOD OF MANUFACTURING A ROTOR ASSEMBLY FOR A DYNAMO ELECTRIC MACHINE.

THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Application No. 2556/Cal/73 filed November 21, 1973.

Convention date November 23, 1972/(54306/72) U K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims.

A method of manufacturing a rotor assembly comprising the steps of:

(a) stamping an annular conductive disc to produce in one face thereof a plurality of angularly spaced, generally radial grooves having a depth greater than the thickness of the disc so that corresponding ribs are formed on the other face of the disc,

(b) moulding an insulating body on said one face of the disc so that the grooves are filled with insulating material,

(c) forming a slot in each of the conductive segments defined between pairs of adjacent grooves,

(d) engaging one end of at least one of a respective pair of rotor windings of the dynamo electric machine in each of the slots in the conductive segments,

(e) resistance joining the ends of the rotor windings received in the slots of at least two conductive segments to their respective segments by engaging an electrode with each of said segments and/or at least one of the windings in each of said slots and passing an electric current between the electrodes through the windings, the segments and the respective rib or ribs defined between the segments, and

(f) machining said other face of the disc to remove said ribs and thereby separate the conductive segments from one another.

CLASS 154H. I.C.-D06P 7/00.

138146.

#### A DOCTOR-BLADE SYSTEM FOR SCREEN-PRINTING MACHINES.

SOCIETE ALSACIENNE DE CONSTRUCTIONS MECANIQUE DE MULHOUSE, OF 1 RUE DE LA FONDERIE, 68054 MULHOUSE CEDEX, FRANCE.

Application No. 2820/Cal/73 filed December 27, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims.

A doctor-blade system for a screen printing machine which comprises a blade-holder, a doctor blade constituted by a strip of thin flexible material which is attached to the said blade-holder at the edge opposite to the free winding edge, and a pneumatic pressure bladder which is interposed between the blade-holder and the doctor blade in the vicinity of the free edge of the said blade in order that a predetermined pressure may be applied by the said free edge against the screen, characterized in that the said pneumatic pressure bladder is brought to bear against the blade-holder by means of at least one intermediate bending-compensation bearing member which is rigidly fixed to the blade-holder and at least a part of which is capable of elastic displacement in response to the bending deformations to which the said blade-holder is subjected.

CLASS 70B. I.C. B01k 3/00. 3/02.

138147.

#### ELECTRODE FOR USE IN ELECTROLYTIC PROCESSES.

METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF 16 FRANKFURT A.M. REUTERWEG 14, FEDERAL REPUBLIC OF GERMANY.

Application No. 383/Cal/74 filed February 22, 1974.

Appropriate office for opposition Proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims.

A vertically extending electrode for use in electrolytic processes involving a formation of gas, characterized by an inactive region (2), which extends on the gas-producing side continuously from top to bottom, has a width of at least 2 centimeters, occupies upto 20% of the surface area of the electrode, and is separated from the active region (4) by at least one boundary (3), which extends downwardly from the top.

#### OPPOSITION PROCEEDINGS

##### (1)

The opposition entered by Spemply Limited to the grant of a patent on application No. 135882, made by Cryomedics, Inc., as notified in Part III, Section 2 of the Gazette of India dated the 8th March 1975, has been treated as withdrawn.

##### (2)

Opposition to the grant of a patent on application for Patent No. 128674 entered by J. K. Chemicals Ltd. the filing of which was notified in the Gazette of India, Part III, Section 2, dated the 28th December, 1971 has been dismissed. It has also been ordered that a patent shall not be sealed on the said application.

##### (3)

The Opposition entered by Pulling & Lifting Machines Private Limited to the grant of a patent on application No. 137044 made by Secalt S.A. notified in the Gazette of India Part III, Section 2 dated the 25th October, 1975 has been dismissed, as the Written Statement of opposition was not filed within the prescribed time.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

##### (1)

101517 104156 105377 105516 105622 105675 105757 108306  
110609 112547 112620 112715 112780 112854 113068 113155  
113611 113837 113860 113898 113967 114028 114046 114149  
115136 115183 115408 115436 115527 115543 115712 116017  
116257 116346 117046 117225 119317 119436.

#### PATENTS SEALED

91354 103304 104044 105910 114446 122086 122300 126405  
126705 127803 134489 134839 135023 136334 136497 136518  
136521 136547 136553 136561 136569 136585 136597 136680  
136704 136713 136715 136716 136726 136734 136740 136754  
136755 136756 136760 136762 136774 136803 136826.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57.

Notice is hereby given that The Boots Company Limited, formerly known as Boots Pure Drug Company Limited, of 1 Thane Road West, Nottingham, England, formerly of Station Street, Nottingham, England, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 80534 for "A process for producing phenylalkane derivatives". The amendments are by way of explanation and correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17,

on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

#### RENEWAL FEES PAID

72770 74156 74382 74416 74628 74641 74690 74720 79639  
79727 79873 79899 79988 80124 80421 81912 82652 85213  
85318 85339 85348 85374 85375 85413 85422 85454 85455  
85458 85533 85594 85623 85633 85641 85683 85737 85810  
87276 88862 90899 91020 91091 91124 91131 91820 91886  
92396 96802 96867 96978 97003 97011 97012 97017 97143  
97202 97476 97520 98491 102818 102819 102851 102863  
102896 102909 103020 103067 103118 103177 103206 103216  
103423 103531 103609 103610 103611 103636 108253 108298  
108300 108319 108396 108419 108474 108491 108625 109021  
113373 113383 113402 113457 113458 113473 113493 113512  
113541 113567 113568 113612 113613 113661 113662 113689  
113721 113766 113767 113768 113781 113799 113812 113845  
114072 114134 114441 114482 115206 115364 116359 117534  
118531 118798 118811 118847 118907 118934 118946 118986  
119027 119047 119048 119053 119081 119082 119189 119540  
120563 120796 121357 121975 122769 123056 123867 123904  
124042 124071 124103 124114 124205 124224 124287 124289  
124291 124292 124327 124378 124383 124388 124389 124390  
124413 124426 124484 124509 124510 124561 124630 124802  
125075 125209 126668 128897 128908 129221 129260 129292  
129302 129325 129428 129458 129494 129519 129520 129524  
129529 129531 129578 129579 129613 129628 129643 129652  
129670 129695 129748 129749 129768 129770 129782 130083  
130280 131001 131155 132517 132682 133635 133662 133818  
133819 133830 133831 133838 133839 133840 133847 133857  
133882 133883 133901 133902 133903 133925 133940 133984  
134022 134102 134107 134132 134151 134152 134154 134371  
134476 135003 135054 135620 136027 136128 136129 136196  
136239 136254 136283 136337 136461.

#### RESTORATION PROCEEDINGS

##### (1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 108133 granted to Herbert Kenmore for an invention relating to "removing heat scale from wire and similar strip material". The patent ceased on the 24th November, 1974 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 17th May, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patents Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 20th February, 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponents' interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 129677 granted to Satishchandra Dahvalhai Patel for an invention relating to "Tractor drawn cultivator". The patent ceased on the 29th March, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 6th December, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patents Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 20th February, 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponents' interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 132371 granted to Vasudev Kewalram Mahani for an invention relating to "Process and device for making an insulation cover for electric wires". The patent ceased on the 22nd February, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 28th June, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patents Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 20th February, 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponents' interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 133532 granted to TSG International Incorporated for an invention relating to "method of making a box-like unit". The patent ceased on the 8th November, 1974 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 5th July, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 20th February, 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponents' interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (5)

Notice is hereby given that an application for restoration of Patent No. 135623 dated 28th August, 1972 made by Draksharapu Nagabhushana Rao on the 7th July, 1975, and notified in the Gazette of India, Part-III, Section 2, dated the 16th August, 1975 has been allowed and the said patent restored.

##### (6)

Notice is hereby given that an application for restoration of Patent No. 135749 dated 15th November, 1972 made by

Yusuf Abbasbhai Tinwala on the 5th July, 1975, and notified in the Gazette of India, Part-III, Section 2, dated the 16th August, 1975 has been allowed and the said patent restored.

(7)

Notice is hereby given that an application for restoration of Patent No. 135832 dated 24th November, 1972 made by Yusuf Abbasbhai Tinwala on the 5th July, 1975, and notified in the Gazette of India, Part-III, Section 2, dated the 16th August, 1975 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 142848. Regal Industrial Corporation, a registered Indian partnership firm, Room No. 122, Bharat Industrial Estate, 1st floor, Tokesi Jivraj Road, Sewi, Bombay-15DD, Maharashtra. "Locking devices". March 31, 1975.

Class 1. Nos. 142870 to 142874. Dowells' Elektro Werke, a registered firm Indian partnership firm, at Saiguru Estate, Off Aarey Road, Goregaon (East), Bombay-63, Maharashtra (India). all Indian "A crimping tool". April 7, 1975.

Class 1. Nos. 142878 to 142880. Liberty Industries, (An Indian proprietary concern) C-12, Industrial Estate, Sanatnagar, Hyderabad-500018, Andhra Pradesh. Indian. "Photographic flash gun". April 9, 1975.

Class 3. No. 143188. Vats Industries, 186/A, Ajmer Road, Agra Cantt, Uttar Pradesh (India), an Indian Partnership firm. (Indian Nationals). "Hot water bottle". July 1, 1975.

Class 3. No. 143194. Metal India Industries, 267, Janjkar Street, Bombay-400002, Maharashtra State, India. An Indian partnership firm. "Torch". July 3, 1975.

Class 3. No. 143209. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "A contractor coil". July 9, 1975.

Class 3. No. 143210. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "An arc chamber of contractor". July 9, 1975.

Class 3. No. 143211. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "A thermal overload relay". July 9, 1975.

Class 3. No. 143262. Popine Products, an Indian partnership firm, at 13, Mangaldas Road, Bombay-400002, Maharashtra, India "Soother". July 25, 1975.

Class 3. Nos. 143283 to 143285. Raj Kumar Goenka, 49/1/1, Co ton Street, Calcutta-700007, State of West Bengal, India, Indian. "Cosmetic container". July 29, 1975.

Class 4. No. 142859. Colgate-Palmolive Company, a corporation organized and existing under the laws of the State of Delaware, United States of America, of 300 Park Avenue, New York, New York-10022, United States of America. "Bottle". April 4, 1975.

NAME INDEX FOR APPLICANTS FOR PATENTS FOR THE MONTH OF OCTOBER, 1975. (Nos. 1875/Cal/75 to 2100/Cal/75, 264/Bom/75 to 311/Bom/75 and 149/Mas/75 to 161/Mas/75.

Name and Appln. No.

## A

Agarwala, A. K.—283/Bom/75.

Agrawal, L. R.—299/Bom/75.

Allegheny Indium Industries, Inc.—2079/Cal/75, 2080/Cal/75.

Alliaj, A. R.—152/Mas/75.

Altshuler, I. B.—1927/Cal/75.

Aluminum Company of America—2096/Cal/75.

Aluterv Aluminiumipari Tervezo Vallalat—2015/Cal/75.

American Can Co.—1999/Cal/75.

American Cyanamid Co.—1897/Cal/75, 1987/Cal/75.

American Home Products Corp.—1876/Cal/75, 1877/Cal/75, 1878/Cal/75, 1879/Cal/75, 1962/Cal/75.

Amsted Industries Inc.—2020/Cal/75.

Associated Engineering Ltd.—2030/Cal/75.

## B

Bajpai, A. K.—299/Bom/75.

Bali, R. S. (Dr.)—311/Bom/75.

Banerji, J. (Mrs)—1963/Cal/75.

BASF Aktiengesellschaft.—1902/Cal/75.

Basov, N. G.—2003/Cal/75.

Bayer Aktiengesellschaft (formerly known as Farbenfabriken Bayer Aktiengesellschaft.)—1893/Cal/75, 1910/Cal/75, 1911/Cal/75, 1912/Cal/75, 1941/Cal/75, 1951/Cal/75, 1951/Cal/75, 2049/Cal/75, 2092/Cal/75.

BBC Brown Boveti & Co. Ltd.—1903/Cal/75, 2052/Cal/75.

Balasam, S. N.—267/Bom/75.

Belford, R. W.—2063/Cal/75.

Berezhnoi, I. A.—2003/Cal/75.—2003/Cal/75.

B. G. Shirke & Co. Private Ltd.—277/Bom/75.

Bhatadwaj Bharadwaj and Associates Private Ltd.—1947/Cal/75.

Bhatgadde, L. G. (Dr.)—268/Bom/75.

Bhatiacharya, S. (Mrs.)—1963/Cal/75.

Bhide, S. K.—304/Bom/75.

Biswas, D. K.—2100/Cal/75.

Biswas, P. R.—2100/Cal/75.

Bowater Packaging Ltd.—2043/Cal/75.

Bristol-Myers Co.—1965/Cal/75.

British Steel Corp.—1904/Cal/75.

Brugman Machinefabriek B. V.—2069/Cal/75.

## C

Canathane Roller Corp., Ltd.—1895/Cal/75.

Century Spinning & Manufacturing Co. Ltd, The—284/Bom/75.

Chandiramani, K. G.—2078/Cal/75.

Chatterjee, A. (Mrs)—1963/Cal/75.

Chinoin Gyogyszer-Es Vegyeszeti Teronekek Gyara R. T.—1931/Cal/75, 1966/Cal/75.

Chloride Group Ltd.—2023/Cal/75.

Chopra, A.—278/Bom/75.

Ciba-Geigy of India Ltd.—264/Bom/75.

Citizen Watch Co. Ltd.—1971/Cal/75.

CMC Invention Instruments Co.—1908/Cal/75.

Coal Industry (Patents) Ltd.—1978/Cal/75.

Colgate Palmolive Co.—1925/Cal/75.

Continental Can Co., Inc.—1939/Cal/75, 1969/Cal/75.

Continental Gummi-Werke Aktiengesellschaft.—2039/Cal/75, 2040/Cal/75, 2941/Cal/75.

Convair Investments Ltd.—2070/Cal/75.

Cortech Research Ltd.—2908/Cal/75, 2099/Cal/75.

Council of Scientific and Industrial Research.—1942/Cal/75, 1943/Cal/75, 1944/Cal/75, 1945/Cal/75, 1946/Cal/75, 2024/Cal/75, 2025/Cal/75

## D

Dandeker, B. V.—281/Bom/75.

Danilychev, V. A.—2003/Cal/75.

Dart Industries, Inc.—2062/Cal/75.

Daudi, M. F.—1930/Cal/75.

Dave, A. K.—299/Bom/75.

Delalande S.A.—2075/Cal/75.

Desai, S. K.—303/Bom/75.

Deutsche Gold Und Silber Scheideanstalt vormals Roessler.—1981/Cal/75, 1984/Cal/75, 1985/Cal/75, 1986/Cal/75.

Diamond Shamrock Corpn.—1932/Cal/75, 1933/Cal/75, 2007/Cal/75.

D'Mello, L. K.—294/Bom/75.

Dr. C. Otto & Comp. GMBH.—1968/Cal/75.

D'Souza, D. M.—2044/Cal/75.

Dunlop Ltd.—2045/Cal/75.

## E

Efremidi, A. L.—1928/Cal/75.

Egyesult Izzolampa ES Villamossagi RT.—2033/Cal/75.

Ekbo'e, V. R.—299/Bom/75.

Elatontsev, A. I.—2003/Cal/75.

Eli Lilly and Co.—1957/Cal/75.

Envirotech Corpn.—2091/Cal/75.

## F

Fainshtein, M. B.—1927/Cal/75.

Ferruti, P.—1967/Cal/75.

Fertilizer Corporation of India Ltd.—2082/Cal/75, 2083/Cal/75, 2084/Cal/75.

Fierro Esponja, S. A.—1892/Cal/75, 2061/Cal/75.

Flow Research, Inc.—1884/Cal/75.

F. L. Smidth & Co. A/S.—2019/Cal/75.

Foster Wheeler Energy Corpn.—2012/Cal/75.

France Luzerne.—2072/Cal/75.

Fujishima, S.—1989/Cal/75.

## G

Gardner, J. W.—2035/Cal/75.

General Public Utilities Corpn.—2090/Cal/75.

George, T. T.—308/Bom/75.

Gerro Holding Co. Ltd.—1973/Cal/75.

Ghose Roy, S. B.—2100/Cal/75.

Ghosh, P. C.—1963/Cal/75.

Gilberd Hadfield Pile Company Ltd.—1996/Cal/75.

Girling Ltd.—2057/Cal/75.

Gokhale, G. D.—274/Bom/75.

Goodlass Nerolac Paints Ltd.—297/Bom/75.

Gould, Inc.—1901/Cal/75.

Granovsky, A. I.—2066/Cal/75.

Granryd, E.—1952/Cal/75.

G. R. Industries.—1920/Cal/75.

Gruppo Lepetit S.p.A.—2063/Cal/75, 2064/Cal/75.

Gupta, K.—1909/Cal/75.

Gupta, V. P.—1935/Cal/75.

## H

Hedges, K. B.—2065/Cal/75.

Hinderks, M. V.—2048/Cal/75.

Hindustan General Equipments—266/Bom/75.

Hoechst Aktiengesellschaft.—1886/Cal/75, 1982/Cal/75, 2055/Cal/75.

Hole, T. V.—294/Bom/75.

## I

Ignatiev, V. V.—2003/Cal/75.

Imperial Chemical Industries Ltd.—1896/Cal/75, 2074/Cal/75.

IJS Ltd.—2038/Cal/75.

Indian Drugs & Pharmaceuticals Ltd. (A Government of India Undertaking).—2032/Cal/75.

Institut Khimicheskoi Fiziki Akademii Nauk SSSR.—2052/Cal/75.

I. S. C. Smelting Ltd.—1975/Cal/75.

Ishihara Sangyo Kaisha, Ltd.—2013/Cal/75.

Ivanov, V. N.—2066/Cal/75.

Iyer, S. I. Gopalkrishna—156/Mas/75, 157/Mas/75.

## J

J. H. Fenner & Co. Ltd.—1997/Cal/75.

J. M. Huber Corpn.—2060/Cal/75.

John D. Hollingsworth On Wheels, Inc.—1940/Cal/75.

Johnson & Johnson.—1993/Cal/75, 1994/Cal/75.

## K

Kabra, G. K.—1917/Cal/75, 1918/Cal/75.

Kalyanasundaram, R.—151/Mas/75.

Kamala Prosad & Co.—1875/Cal/75.

Karyshev, V. D.—2003/Cal/75.

Khandelwal, D. N.—299/Bom/75.

Kildishev, V. S.—1927/Cal/75.

Knorr-Bremse GMBH.—1915/Cal/75.

Kodikal, J. V.—275/Bom/75.

Kommanditgesellschaft Schwarzhaupt.—1960/Cal/75.

Konnur, V. G.—282/Bom/75.

Krings, J.—2037/Cal/75.

Krishnamurty, E. G.—161/Mas/75.

Krupp-Koppers Gesellschaft Mit Beschränkter Haftung  
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Kulkarni, S. L.—307/Bom/75.

Kuraray Co., Ltd.—1953/Cal/75.

Kuryakose, K. P.—155/Mas/75.

## L

Laboratoire Roger Bellon.—2094/Cal/75, 2095/Cal/75.

Lalkaka, K. E.—286/Bom/75, 287/Bom/75, 288/Bom/75,  
289/Bom/75.

Lalkaka, H. K. (Mrs.).—290/Bom/75, 291/Bom/75, 292/  
Bom/75, 293/Bom/75.

Leach, Sam L.—2036/Cal/75.

L. G. T. Laboratoire General Des Telecommunications.—  
1976/Cal/75.

Lucas Electrical Company Ltd. The.—1923/Cal/75, 1977/  
Cal/75.

## M

Mahendra, S. L.—1888/Cal/75, 1889/Cal/75, 1890/  
Cal/75.

Maneksha, H. F.—296/Bom/75.

Mariappan, S.—154/Mas/75.

Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft.—  
2076/Cal/75.

Maschinenfabrik Reinhausen Gebrüder Scheubeck KG.—2027/  
Cal/75.

Maschinenfabrik Rieter A. G.—1882/Cal/75, 1887/Cal/75,  
1905/Cal/75.

Maule, C.—2089/Cal/75.

Mcneil Corp.—1929/Cal/75.

Mead Johnson & Co.—1979/Cal/75.

Medodobiven Kombinat "G. Damyanov".—1914/Cal/75.

McIlra S. A.—2017/Cal/75.

Menon, A. M.—2088/Cal/75.

Menon, C. K. Kumara.—153/Mas/75.

Merck Patent Gesellschaft Mit Beschränkter Haftung.—1991/  
Cal/75.

Metacon AG.—1970/Cal/75.

Metallgesellschaft Aktiengesellschaft.—1988/Cal/75, 2068/  
Cal/75.

Metallurgical Processes Ltd.—1975/Cal/75.

Mikushevich, F. E.—2066/Cal/75.

Misra, R. K. (Dr.).—301/Bom/75.

Mitra, B. K.—1974/Cal/75.

Mitsui Toatsu Chemicals, Inc.—2051/Cal/75.

Montedison S.p.A.—2058/Cal/75.

Mullick, H. K.—149/Mas/75.

Mumksjo Aktibolag.—2097/Cal/75.

Murao, Y.—273/Bom/75.

## N

Nanawati, R. M.—290/Bom/75, 291/Bom/75, 292/Bom/75,  
293/Bom/75.

Nat Steel Equipment Private Ltd.—285/Bom/75.

Nauchno-Issledovatel'sky i Konstruktorsky Institut Ispytatel'-  
nykh Mashin, Priborov i Sredstv Izmerenia Mass.—2001/  
Cal/75.

Nesile's Products Ltd.—2004/Cal/75, 2005/Cal/75, 2006/  
Cal/75, 2014/Cal/75.

Noshirwanji, A. Zarine.—286/Bom/75, 287/Bom/75, 288/  
Bom/75, 289/Bom/75, 290/Bom/75, 291/Bom/75, 292/  
Bom/75, 293/Bom/75.

NRM Corp.—1936/Cal/75, 1937/Cal/75.

## O

Orient General Industries Ltd.—2031/Cal/75.

Osakeyhtiö, A. A.—2097/Cal/75.

Osoboe Konstruktorskoe Bjuro Sredstv Izmerenia Mass.—  
2000/Cal/75.

Oy Stromberg AB.—2059/Cal/75.

## P

Panagiotoulis, G.—2002/Cal/75.

Panchal, H. A.—1954/Cal/75, 1955/Cal/75, 1956/Cal/75.

Paoletti, R.—1967/Cal/75.

Paranjpe, S. L.—299/Bom/75.

Patel, D. R.—1954/Cal/75, 1955/Cal/75, 1956/Cal/75.

Patel, K. M.—1954/Cal/75, 1955/Cal/75, 1956/Cal/75

Paul, J. K.—1891/Cal/75.

Pecche, J.—2087/Cal/75.

Pennwalt Corp.—2047/Cal/75.

Peregulov, I. N.—1927/Cal/75.

Personal Communications Inc.—1992/Cal/75.

Pfizer Inc.—2028/Cal/75.

Poon, C. C.—2010/Cal/75.

Preformed Line Products Co.—2077/Cal/75.

President, Forest Research Institute and Colleges.—1916/  
Cal/75.

President of Tohoku University.—1907/Cal/75

Pun, C. W.—2010/Cal/75.

## R

Rajak, P. L.—265/Bom/75.

Rajendran.—279/Bom/75.

Rao, C. S.—150/Mas/75.

Rassiwala, H. T.—280/Bom/75.

RCA Corp.—1961/Cal/75, 2026/Cal/75.

Rheinisch-Westfälisches Elektrizitätswerk AG.—1990/Cal/  
75, 2046/Cal/75.

Rhone-Poulenc Industries.—1885/Cal/75.

Richman, A. G.—2087/Cal/75.

Ridgeway, J. J.—1949/Cal/75.

Rohm and Haas Co.—1881/Cal/75, 2029/Cal/75.

Rohra, B. L.—275/Bom/75.

Roy, P. K.—1974/Cal/75.

Ruys, F. W.—2021/Cal/75.

Rybkin, P. N.—2066/Cal/75.

## S

Sadasivam, V. C.—159/Mas/75.  
 Sarabhai Research Centre.—302/Bom/75.  
 Saralidze, A. L.—1928/Cal/75.  
 Sarangpur Cotton Manufacturing Company Ltd. The—300/Bom/75.  
 Samshilin, I. V.—2066/Cal/75.  
 Schering Aktiengesellschaft.—2018/Cal/75.  
 Scientific Design and Development Private Ltd.—1964/Cal/75.  
 SCM Corpn.—1948/Cal/75.  
 Sen Gupta, R.—2100/Cal/75.  
 Shah, A. J.—276/Bom/75.  
 Shah, D. C.—276/Bom/75.  
 Shah, G. H.—276/Bom/75.  
 Shah, H. C.—276/Bom/75.  
 Shah, H. D.—276/Bom/75.  
 Shah, J. C.—276/Bom/75.  
 Shah, N. J.—276/Bom/75.  
 Shin-Etsu Chemical Co. Ltd.—1899/Cal/75, 2081/Cal/75.  
 Siemens Aktiengesellschaft.—1900/Cal/75, 2067/Cal/75.  
 Singh, M.—1919/Cal/75.  
 Singh, S.—1922/Cal/75.  
 SIR W.G. Armstrong Whitworth & Company (Engineers) Ltd.—1950/Cal/75.  
 Smith Kline & French Laboratories Ltd.—1913/Cal/75.  
 Snamprogetti S.p.A.—1958/Cal/75, 1959/Cal/75.  
 Societe Francaise Des Produits Pour Catalyse.—1934/Cal/75.  
 Standard Electronic Devices.—295/Bom/75.  
 Standard Oil Co. The—2085/Cal/75.  
 Sumitomo Electric Industries, Ltd.—2056/Cal/75.  
 Sumner, E. L.—1926/Cal/75.  
 Suzuki, M.—1998/Cal/75.

## T

Takte, D. G. (Dr.)—305/Bom/75, 306/Bom/75.  
 Tarnekar, M. G.—298/Bom/75.  
 Thagard Technology Co.—1924/Cal/75.  
 Thakkar, K. M. (Smt.)—272/Bom/75.  
 Thakkar, M. C. (Dr.)—269/Bom/75, 270/Bom/75, 271/Bom/75.  
 Togulev, A. K.—2003/Cal/75.  
 Tractal Tirfor India Private Ltd.—2054/Cal/75.  
 Trivedi, D. T.—267/Bom/75.

## U

Umale, S. R.—309/Bom/75, 310/Bom/75.  
 Union Carbide Corpn.—1938/Cal/75, 2086/Cal/75.  
 Union Carbide India Ltd.—1995/Cal/75, 2008/Cal/75, 2009/Cal/75, 2034/Cal/75.  
 Uniroyal, Inc.—2071/Cal/75.  
 United States Gypsum Co.—1906/Cal/75.  
 United States Pipe and Foundry Co.—1898/Cal/75.  
 UOP Inc.—2011/Cal/75, 2093/Cal/75.  
 Uss Engineers and Consultants, Inc.—1880/Cal/75, 1894/Cal/75.

## V

VEB Werkzeugmaschinenkombinat "7. Oktober" Berlin.—2016/Cal/75.  
 Vekshin, V. S.—2003/Cal/75.  
 Velsicol Chemical Corpn.—2053/Cal/75.  
 Venkatarangaiah, K. H.—158/Mas/75.  
 Viozat, A.—160/Mas/75.

## W

Wagh, P. B.—1980/Cal/75.  
 WCB Containers Ltd.—2022/Cal/75.  
 WM. R. Stewart & Sons (Hacklemakers) Ltd.—2073/Cal/75.

## Y

Yaure, A. G.—2066/Cal/75.

## Z

Zadgaonkar, A. S.—298/Bom/75, 299/Bom/75.  
 Zadgaonkar, C. S.—298/Bom/75.  
 Zaidman, A. S.—2066/Cal/75.  
 Zaklady—Azotowe Im. F. Dzierzynskiego.—1972/Cal/75.  
 Zarine Noshirwanji A.—286/Bom/75, 287/Bom/75, 288/Bom/75, 289/Bom/75.  
 Zhdanovsky Koxokhimichesky Zavod.—1983/Cal/75.  
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 Zhdanovsky Zavod Tyazhelogo Mashinostroenia Imeni 50 Letia Velikoi Oktyabrskoi Sotsialisticheskoi Revoljursii, 1983/Cal/75.  
 Zimmer, J.—1921/Cal/75, 2042/Cal/75.

S. VEDARAMAN,  
 Controller-General of Patents, Designs  
 and Trade Marks